HP recommends Windows.

HP Pavilion TouchSmart 23-h110 All-in-One

Tap, swipe and play.

Everything you need for productivity and entertainment at your fingertips on the HP Pavilion TouchSmart All-in-One. The intuitive touchscreen follows your every move, making everyday computing more interactive than ever. Plus, get a whole new feel for your favorite games and entertainment.

All about model 23-h110

- **All your needs, All-in-One:** Enjoy an easy set-up that saves time and keeps things simple with this slim, space-saving TouchSmart All-in-One.
- **A clear difference:** See it all clearly with a 23-inch diagonal Full HD IPS display.[33]
- **Ready to entertain:** Keep entertained with stunning Full HD,[33] DTS Sound+ Audio, and HP Connected software to help you keep up with your digital world.

Key specifications

- **Windows 8.1**[1]
- AMD Quad-Core A8-6500T Accelerated Processor[2a]
- 5 point optical touch enabled 23" diagonal IPS widescreen Full HD[33] LED backlit display
- 4GB PC3-12800 DDR3L-1600 SDRAM memory [3] 1X4GB (expandable to 16GB)
- 500GB 7200RPM Serial ATA hard drive[4a]
- AMD Radeon™ HD 8550D Graphics[16]
- USB chiclet-style keyboard with volume control, Windows 8 hot keys and optical mouse[1][96]
- Slim Tray SuperMulti DVD Burner[6c]
- 2 USB 3.0
- Wireless LAN 802.11b/g/n featuring Single-band (2.4Ghz) 1x1[19]
- 1 year limited hardware warranty and 1 year technical support

Product highlights

- **Featuring Windows 8.1**
- **Big screen, vivid Full HD details:** A 23-inch diagonal, Full HD[33] touchscreen display with IPS technology delivers crisp, vibrant images – any way you look at it. Wide viewing angles lets everyone in on the fun.
- **HP Connected Drive:** Save your files to the cloud through HP Connected Drive and securely access them from any connected PC, phone, and tablet. Basic Plan is free and includes online access of up to 1,000 files, with a maximum of 100MB per file. Connect up to 10 devices.[41]
- **HP Connected Photo:** Sync photos across your PC, smartphone and tablet with HP Connected Photo. Capture, store photos and order prints on Snapfish, or share them on social networks.[37]
- **HP Connected Music:** A unique music application providing limitless discovery, HP Connected Music seamlessly integrates your collection with leading music and radio services.[38]
- **HP SimplePass:** Easily access your online accounts with a single password or PIN, and keep your identity to yourself. HP SimplePass remembers your passwords, so you get to the good stuff faster.
- **HP TrueVision HD Webcam:** Capture all the details with vibrant clarity, even in low light. Enjoy the nuances of face-to-face conversations.[10]
- **DTS Sound+™:** Delivers immersive surround sound complete with deep bass, clear dialog and maximum volume to multimedia content.
- **McAfee®:** Free 30-day Trial of McAfee® LiveSafe™ service included. McAfee® LiveSafe™ service enriches your digital life by protecting your data, identity and all your devices so you can connect with confidence.[8]

Energy efficiency your way

HP is committed to global citizenship and environmental responsibility. Do the environment—and your wallet—a favor when you use the HP Pavilion TouchSmart All-in-One that meets strict energy-efficiency and helps reduce your carbon footprint.

- ENERGY STAR® Qualified[62]
- EPEAT® Silver registered[27]
- Mercury-free display backlights
- Low Halogen[61]
- Arsenic-free display glass
- Eligible for free recycling or cash back through HP's Planet Partners Recycling and Consumer Buyback programs (www.hp.com/go/easybuyback).[31]

Here to keep you happy

HP Total Care provides award-winning 24x7 service and support in the U.S. and normal business hours for Canada and Latin America. To learn more, visit www.hp.com/go/totalcare.

During your limited warranty period you get:

- 24x7 toll-free technical & limited software support assistance via online chat, email, or phone in English, French or Spanish at 1.800.474.6836
- Parts and labor coverage, including customer-replaceable parts, return of equipment to HP, and authorized service provider options

In addition, and at no charge, you get lifetime access to HP's Support Forum in English, French or Spanish at www.hp.com/go/supportforum and HP Support Assistant, a free self-help tool that's built right into Windows based PC's.[57] HP also offers a variety of enhanced services and options both in and out of warranty to give you peace of mind and extend the coverage on your PC. Visit www.hp.com/go/totalcare for details.

Get personalized support at any time for any brand of PC or tablet with HP SmartFriend. Receive friendly one-on-one expert assistance by qualified technicians over the phone or by protected remote computer access to resolve problems and teach you about your technology. Worry-free and accessible technology expertise.[95] Single use and subscription plans available.

HP recommends Windows.

Specifications

Operating System	• **Windows 8.1**[1]
Processor	• AMD Quad-Core A8-6500T Accelerated Processor[2a]
Processor Speed	• 2.10GHz[7]
Cache	• 4MB L2 Cache
Memory	• 4GB PC3-12800 DDR3L-1600 SDRAM memory [3] 1X4GB (expandable to 16GB)
Hard Drive	• 500GB 7200RPM Serial ATA hard drive[4a]
Optical Drive(s)	• Slim Tray SuperMulti DVD Burner[6c] • **Write:** 8x max DVD±R SL, 6x max DVD±R DL, 8x max DVD+RW, 6x max DVD-RW, 5x max DVD-RAM, 24x max CD-R/RW • **Read:** 8x max DVD-ROM/±R (SL/DL), 8x max DVD±RW, 5x max DVD-RAM, 24x max CD-ROM/R/RW • Data transfer rates up to 3,600 KB/s (CD read/write) and 10,800 KB/s (DVD read/write)
Video Graphics	• AMD Radeon™ HD 8550D Graphics[16] • Up to 2176MB Total Available Graphics Memory as allocated by Windows 8
Network Interface	• 10/100/1000 Base-T Network[29]
Wireless Connectivity	• Wireless LAN 802.11b/g/n featuring Single-band (2.4Ghz) 1x1[19]
Sound	• Integrated speakers • DTS Sound+™
Memory Slots	• 2 SODIMM (one available)
Expansion Slots	• 1 PCI-E x1 mini socket slot (occupied)
Memory Card Reader	• HP 7-in-1 Media Card Reader-Supports SD, SDHC, SDXC, Memory Stick, Memory Stick Select, Memory Stick PRO, Memory Stick MagicGate.
External Ports	• **Side I/O:** • 1 x Headphone and Microphone • 2 x USB 3.0 • 1 x Card-Reader • **Rear I/O:** • 4 x USB 2.0 • 1 x Line-out • 1 x DC-in
Mouse and Keyboard	• USB chiclet-style keyboard with volume control, Windows 8 hot keys and optical mouse[1][96]
Web Camera	• HP TrueVision HD Webcam[10] 720p HD and built in microphones
Integrated Display	• 5 point optical touch enabled 23" diagonal IPS widescreen Full HD[33] LED backlit display
Display Resolution	• 1920x1080 (Full HD)[20]
Tilt/Stand Design	• **Tilt Angle:** 10 to 25 • **Stand Type:** Easel (Folding Arm)
Power Supply	• 120W Power Supply (external)
Dimensions	• **Unpackaged:** 23.26 in (L) x 3.25 in (W) x 16.59 in (H) approx. • **Packaged:** 27.20 in (L) x 8.86 in (W) x 20.47 in (H) approx.
Weight	• **Unpackaged:** 23.15 lb approx. • **Packaged:** 27.27 lb approx.
Warranty and Support	• **Warranty:** - 1 year limited hardware warranty and 1 year technical support - 24x7 technical assistance available online[10] or toll-free by phone • **Service:** - For information on Authorized support providers, replacement parts, and other service related information, visit www.hp.com/support • **Support:** - Click the HP Support Assistant icon in your taskbar or desktop for easy access to automated maintenance, built-in diagnostic tools, and a choice of assistance options. Learn more at www.hp.com/go/hpsupportassistant - Visit our Consumer Support Forum, available 24x7 in English, French or Spanish at www.hp.com/go/supportforum - Contact technical support (available 24x7; toll-free phone, or chat) at http://welcome.hp.com/country/us/en/wwcontact.html

Software

Communication and Chat	• **Pinger:** Let your PC handle all your communication with a local phone number, unlimited text messaging to any US/Canada number, incoming calls and voicemail—all for free.[10]
Games	• **Wild Tangent Games for HP pre-installed.** Your HP computer comes with 10 Free Sessions of Plants vs. Zombies ($19.99 value) and preloaded with a free game Farm Frenzy ($19.99 value). • **Microsoft Games:** (Solitaire, Mahjong, Fresh Paint) Start enjoying the Windows 8 experience right out of the box.
HP Help and Support	• **Getting Started with Windows 8:** HP's application makes it fun & easy to get to know Windows 8. Let us help you learn the basics of navigating the new Start Screen, powering off your device, and additional tips and tricks through helpful step by step videos. • **HP Support Assistant**: With HP Support Assistant, enjoy immediate, always-on, self-help support built right into your PC, for the life of your PC, absolutely free.[56][57]
Books, Music, Photos and Videos	• **Amazon Kindle** for Windows 8[1] • **CyberLink PhotoDirector:** Makes it easy to create spectacular photos. From the moment your images are imported, the software empowers you with the tools you need to create eye-catching images, including photo management, photo adjustment and advanced editing features. • **CyberLink PowerDirector:** Fast, feature-rich and easy to use, the powerful set of integrated tools lets you create brilliant videos. Whether you're practically an expert or a novice. Packed with intuitive and exciting features and is designed for creating brilliant high definition videos that will amaze your friends and family. • **CyberLink PowerDVD:** Upgrade your video watching experience with CyberLink's TrueTheater technology including enhanced lighting features and improved audio quality. • **CyberLink YouCam:** YouCam is the ultimate webcam software. • **DTS Sound+™:** A complete audio solution that delivers immersive surround sound, deep bass, clear dialog, crisp audio details and intelligent volume leveling and maximization to all multimedia applications, including music, movies, streaming and games. • **HP Connected Music:** Access multiple music sources from one location with HP Connected Music. Listen to radio stations and broadcasts from all over the world with TuneIn Radio and integrate your music library and leading music services in a single, unique application.[38] • **HP Connected Photo:** Sync photos across your PC, smartphone and tablet with HP Connected Photo. Capture, store photos and order prints on Snapfish, or share them on social networks.[37] • **Netflix:** Watch movies and TV online or via DVDs with subscription.
Productivity and Tools	• **7-zip:** File Archive Utility • **Buy Office:** The most powerful Office yet. Your content when and where you need it.[64] • **Evernote:** Organize your everyday life. • **HP Connected Drive:** Keep your files protected while making them accessible from any device with HP Connected Drive.[41] • **HP Recovery Manager:** Recover, restore, and create recovery media for your PC.
Security and Protection	• **HP SimplePass:** Access online accounts with a single password or PIN. • **McAfee®:** Free 30-day Trial of McAfee LiveSafe™ service included. McAfee LiveSafe service enriches your digital life by protecting your data, identity and all your devices so you can connect with confidence.[8]

Additional information

Product Number	• J4W13AA#ABA
Ad embargo date	• 11/07/2014
UPC code	• 888793653470
Country of origin	• China
Tariff number	• 8471500085
Pallet information	• **Dimensions:** 47.24 in (L/D) x 39.37 in (W) x 87.20 in (H) approx. • **Total weight:** 754.11 lb approx. • **Layers:** 4 • **Products per layer:** 6 • **Total products per pallet:** 24

Learn more at hp.com

[1] Not all features are available in all editions of Windows 8.1. Systems may require upgraded and/or separately purchased hardware, drivers and/or software to take full advantage of Windows 8.1 functionality. See http://www.microsoft.com [2a] AMD's numbering is not a measurement of clock speed. Dual-core/multi-core is a new technology designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. [3] Up to 512MB of main system memory may be allocated to support video graphics. [4a] For hard drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 35GB of hard drive is reserved for system recovery software. [6c] Actual speeds may vary. Don't copy copyright-protected materials. Note that DVD-RAM cannot read or write to 2.6GB Single Sided/5.2 GB Double Sided – Version 1.0 media. [7] GHz refers to internal clock speed of the processor. Other factors besides clock speed may impact system and application performance. [8] Internet access required and not included. Subscription required after 30 days trial period. [10] Internet access required and not included. [16] Part of the total system memory (RAM) is used for graphics/video performance. System memory dedicated to graphics/video performance is not available for other use by other programs. [19] Wireless access point and Internet service required and not included. Availability of public wireless access points limited. [20] All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. [27] EPEAT® Silver registered models of this product are available where HP registers consumer desktop and/or notebook computers. [29] Actual speeds may vary. [31] Free recycling in select countries. Program may not be available in your area. Check www.hp.com/go/recycling to see if HP offers free recycling in your area. [33] High-definition (HD) content is required to view high definition images. [37] Not all features are available in all editions of Windows 8.1. Systems may require upgraded and/or separately purchased hardware, drivers and/or software to take full advantage of Windows 8.1 functionality. See microsoft.com.**Availability of features varies by country and operating system. Supported on Android and Windows 8.1 operating systems. Syncs with Snapfish app, available on iOS and Android operating systems. Snapfish by HP mobile app download and Snapfish membership required. Internet service required and not included. Print ordering through Snapfish available for pick up at select retailers in North America only. Optional features sold separately or as add-on features. [38] Availability of features varies by country. Streaming services may require a paid subscription. May not be compatible with all music files. Not compatible with DRM tracks. Internet service required and not included. Optional features sold separately or as add-on features. [41] Supported on Android, Windows, and iOS operating systems. Internet service required and not included. Available only in the US. Optional features sold separately or as add-on features. [56] For more information, visit http://www.hp.com/go/hpsupportassistant. HP Support Assistant is only available on Windows-based PCs. [57] Internet connection required for updating and connecting to HP Support. [61] External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen. [62] Requires an operating system with power management capabilities, such as Windows 8 or Chrome. [64] Internet service required and not included. Click the Office icon for more details on the Office product that is right for you. Optional features sold separately or as add-on features. [95] HP SmartFriend will support any major brand of computer and tablet running Microsoft Windows, OSX, iOS, Android, and Chrome OS. 24 x 7 support available in the US only. Service availability varies by country/region. Internet connection required for remote support. Remote support not available for tablets. Not all service plans cover support for tablets. Visit www.hp.com/go/smartfriend for more information. HP SmartFriend sold separately or as an add-on feature. [96] Hot keys on the Windows 8 keyboard will only function on a Windows 8 system. For full functionality of the share hot key, internet access is required and not included Actual product may vary from image shown on datasheet. ©2014 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. 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